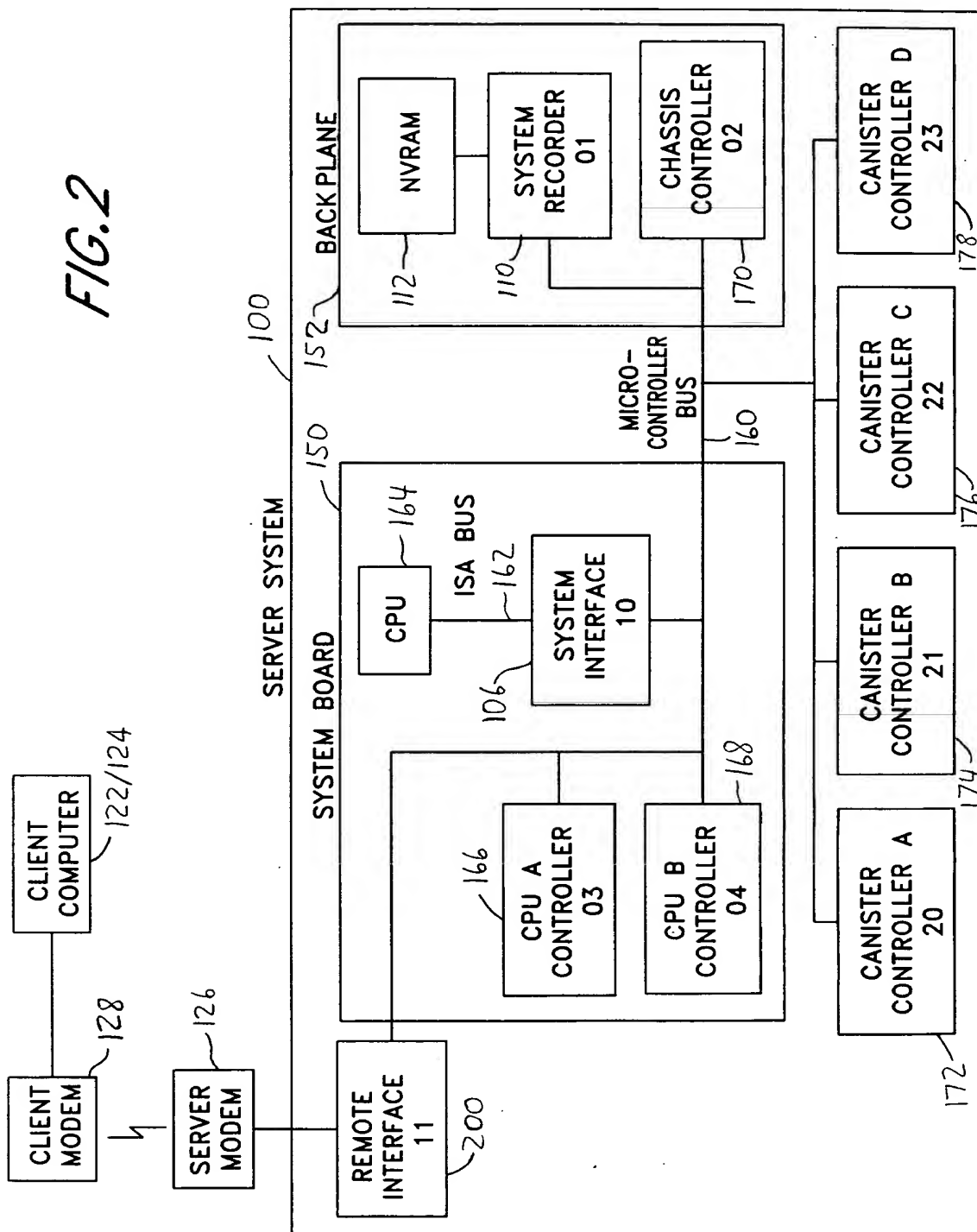




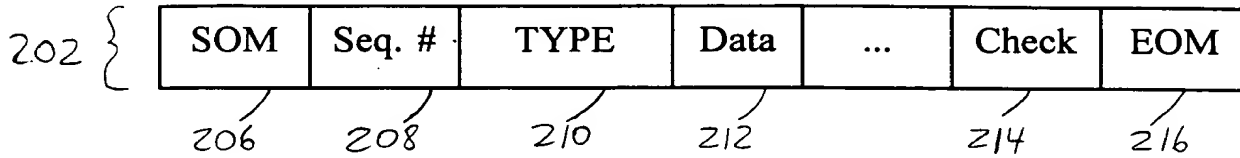
FIG. 2



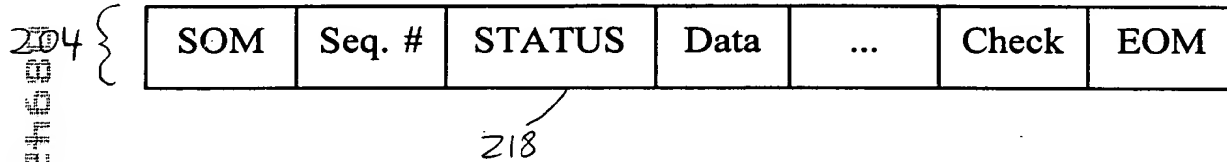
Remote Interface Serial Protocol Message Formats

201
↓

Request:



Response:



Event Interrupt

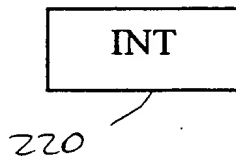


FIG. 3

POWER-ON PROCESS

270
↙

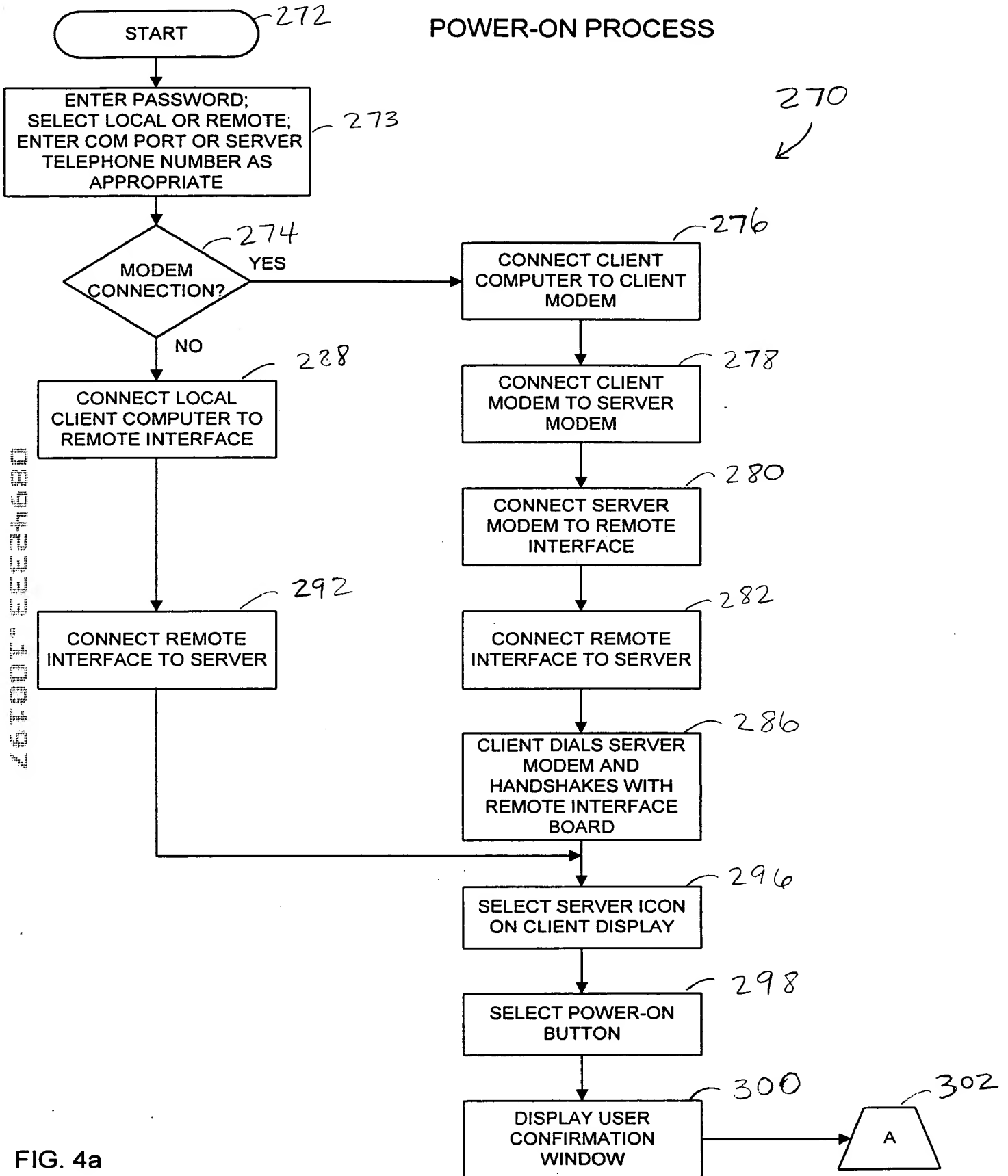


FIG. 4a

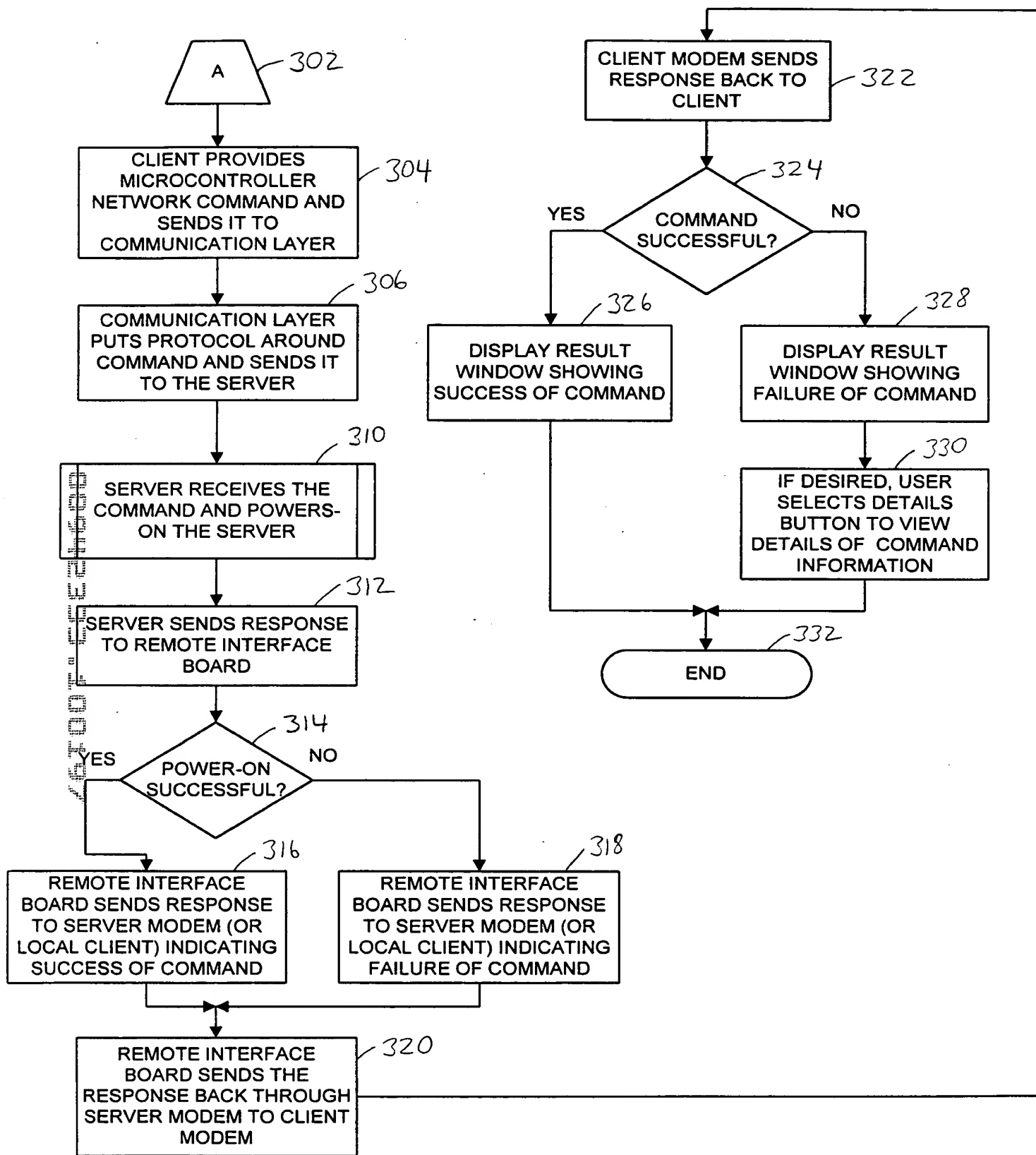


FIG. 4b

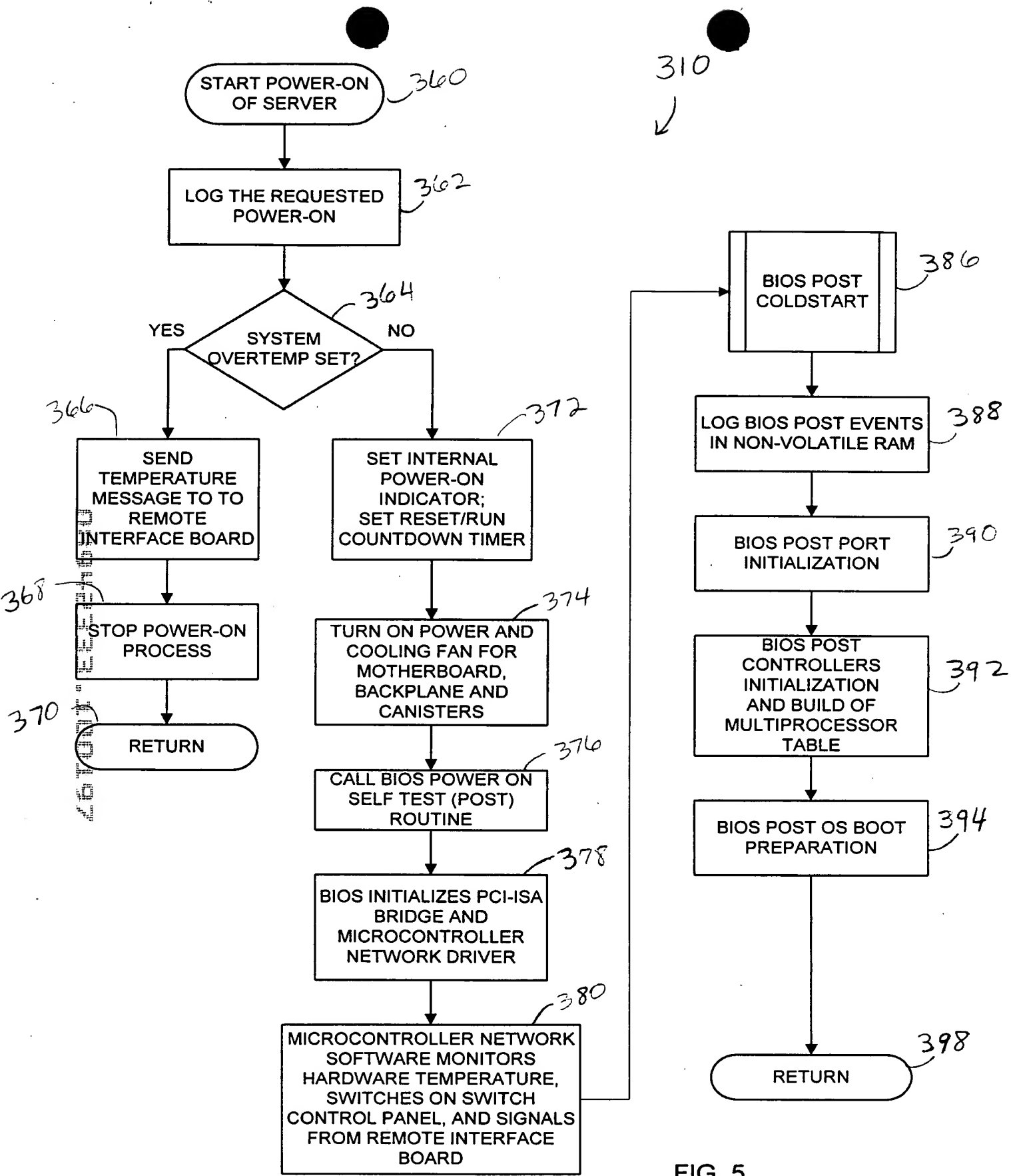
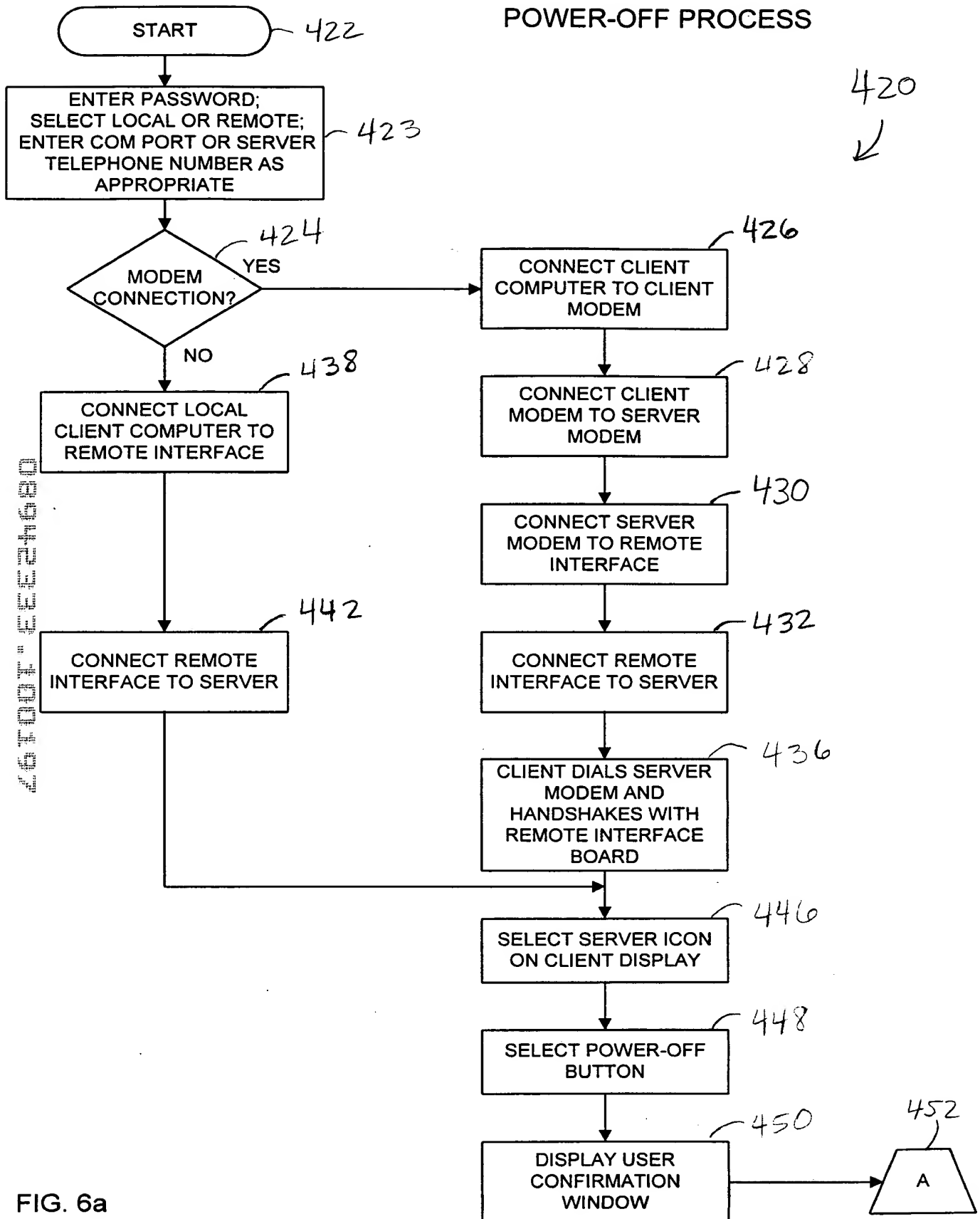


FIG. 5

POWER-OFF PROCESS



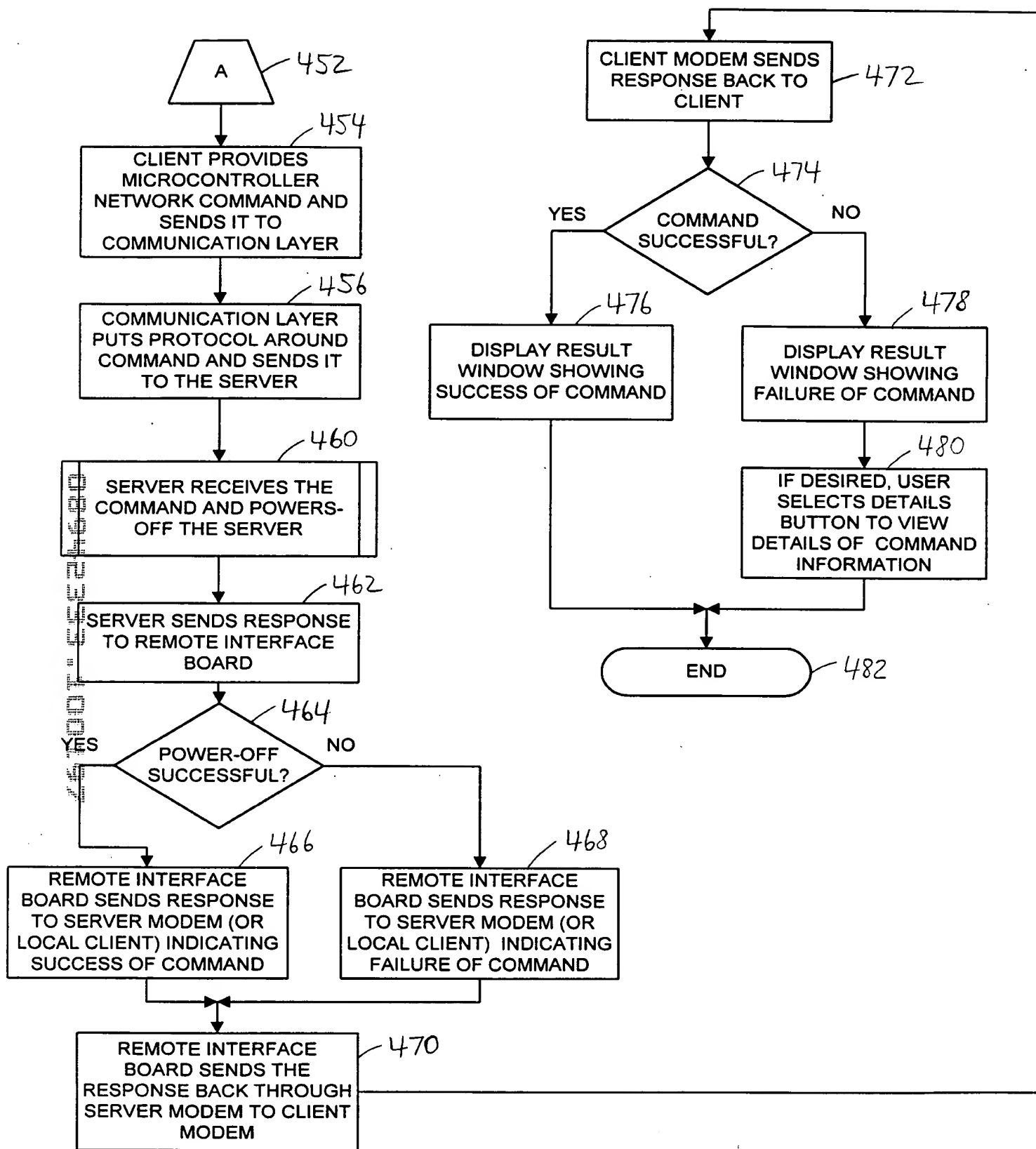
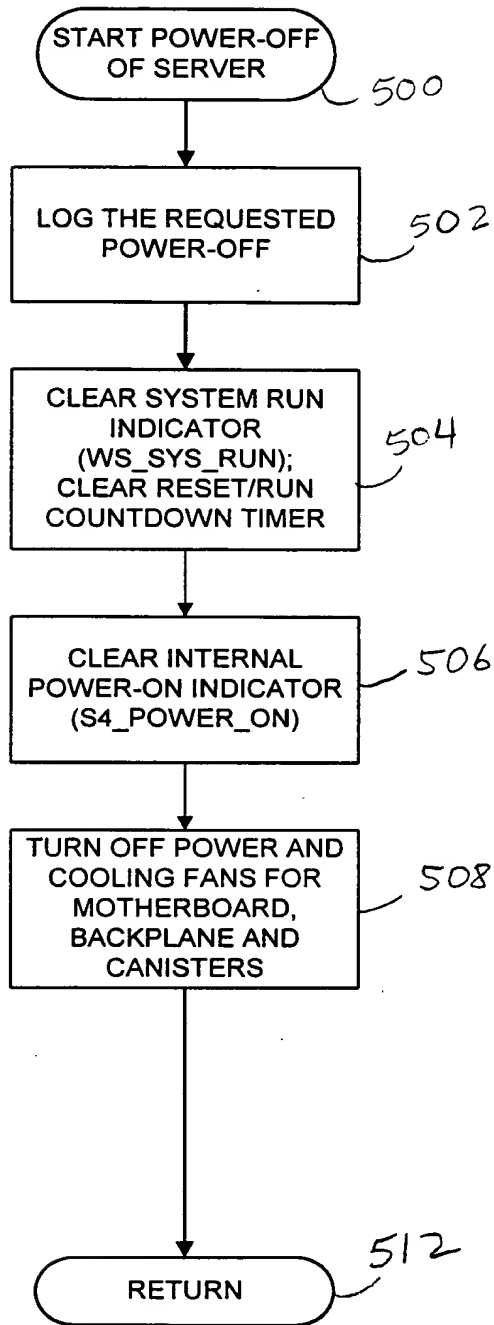


FIG. 6b

0894233-100197



460
↓

FIG. 7

RESET PROCESS

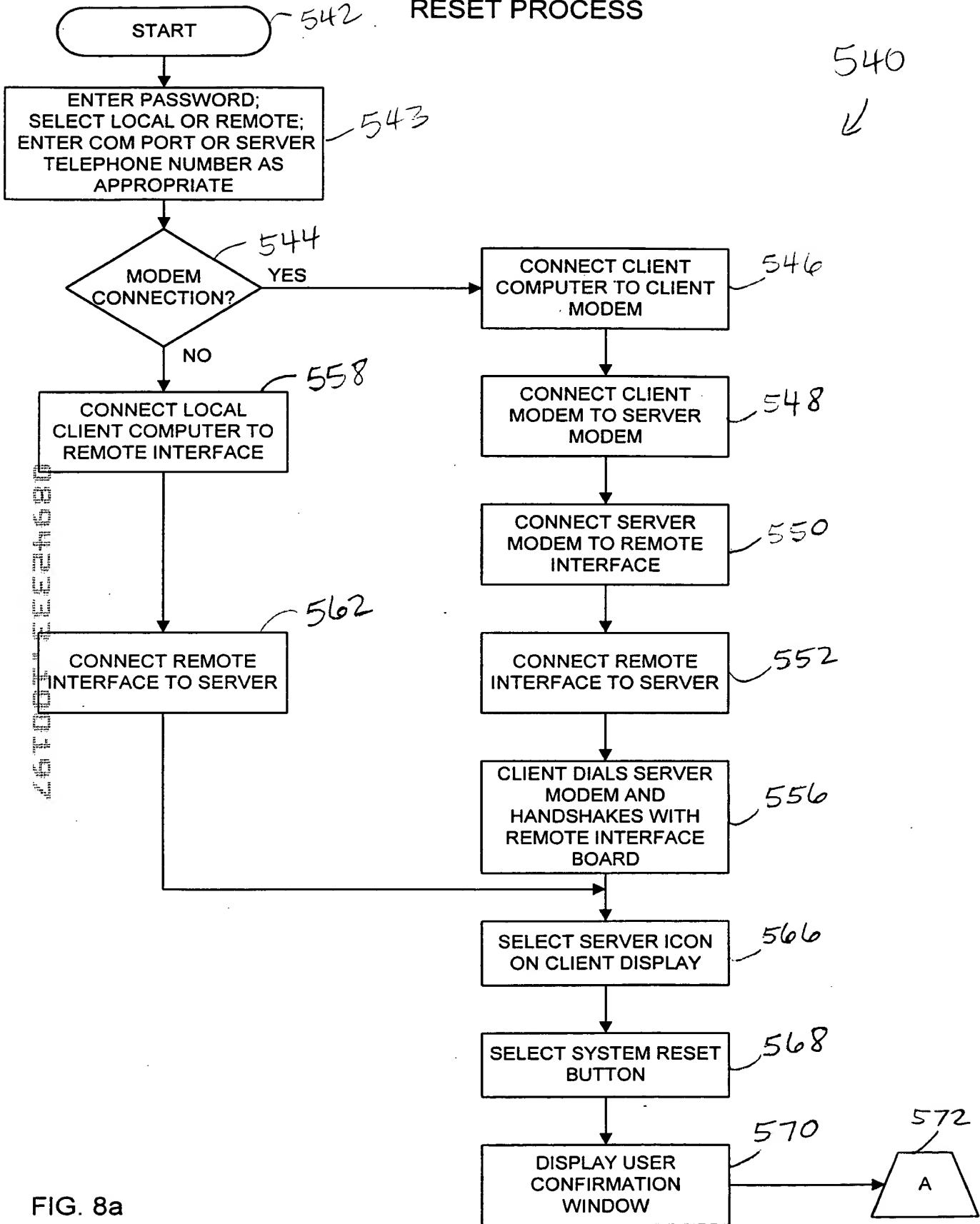


FIG. 8a

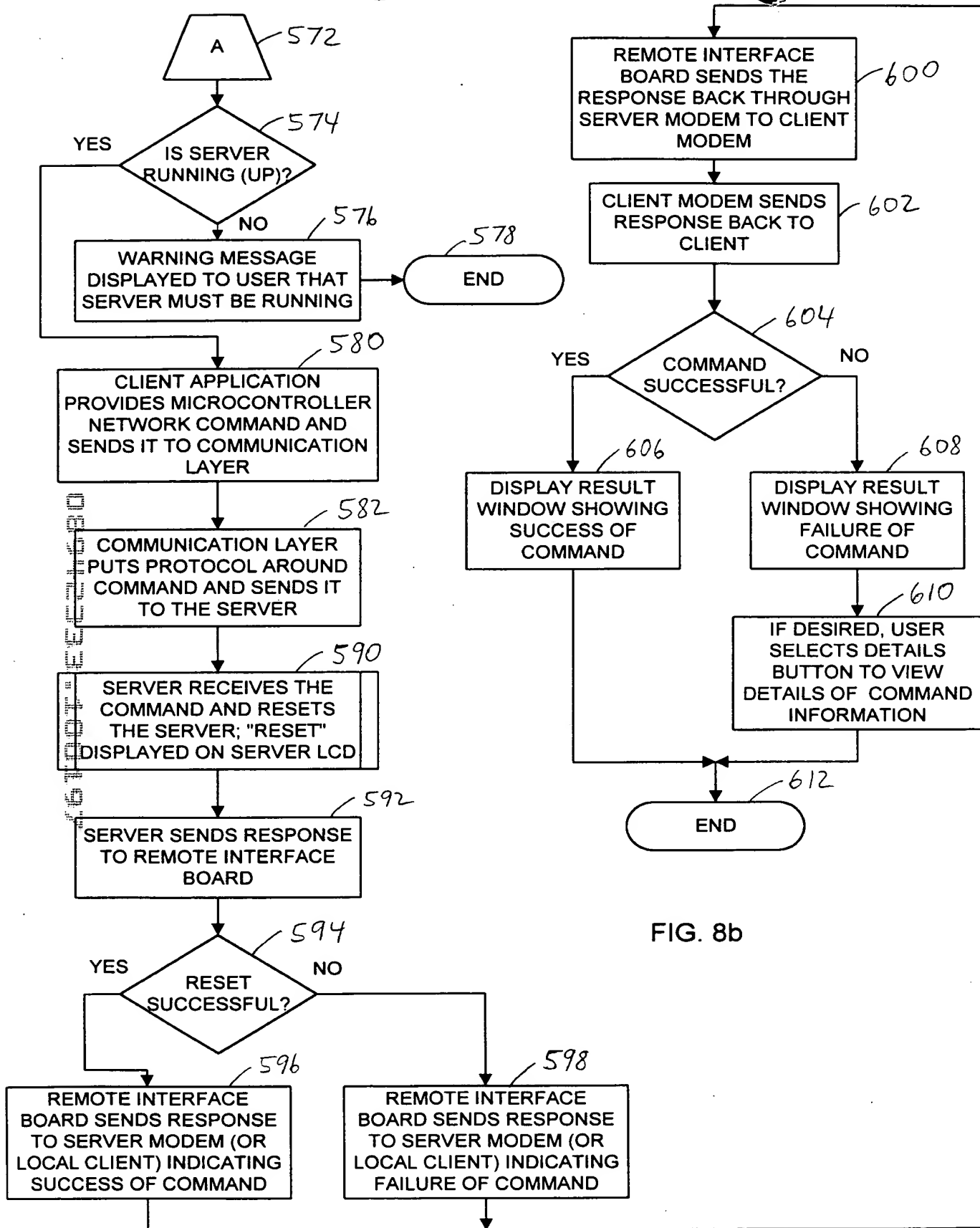
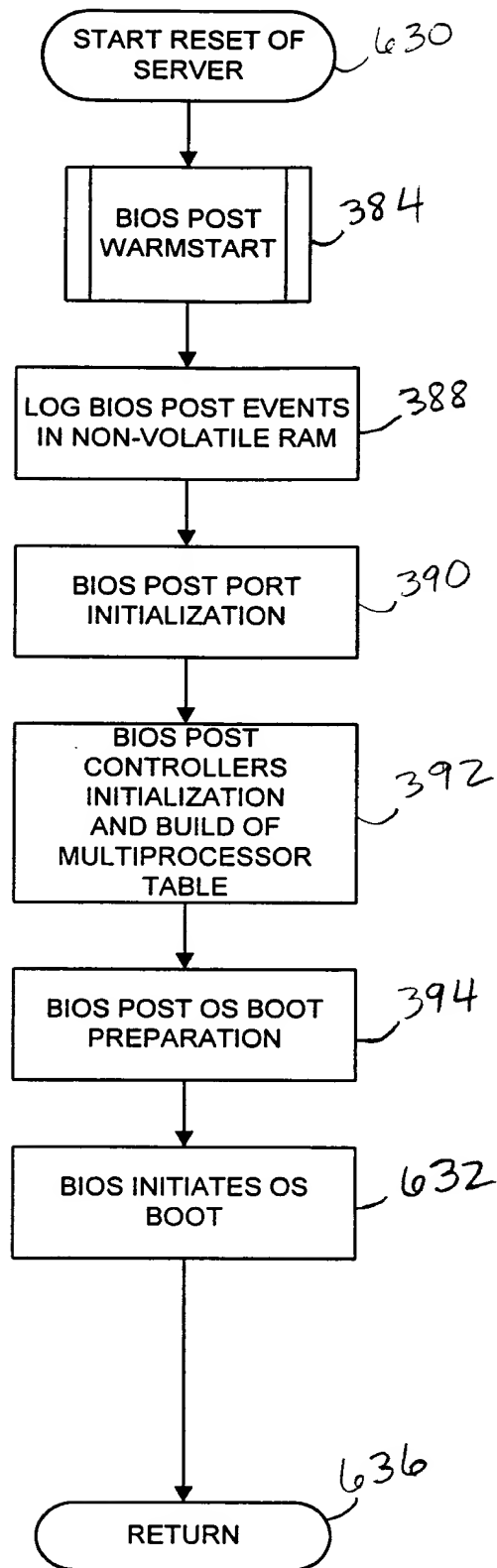


FIG. 8b

08942333 100497



590



FIG. 9

DISPLAYING FLIGHT RECORDER PROCESS

670 →

08942339 100497

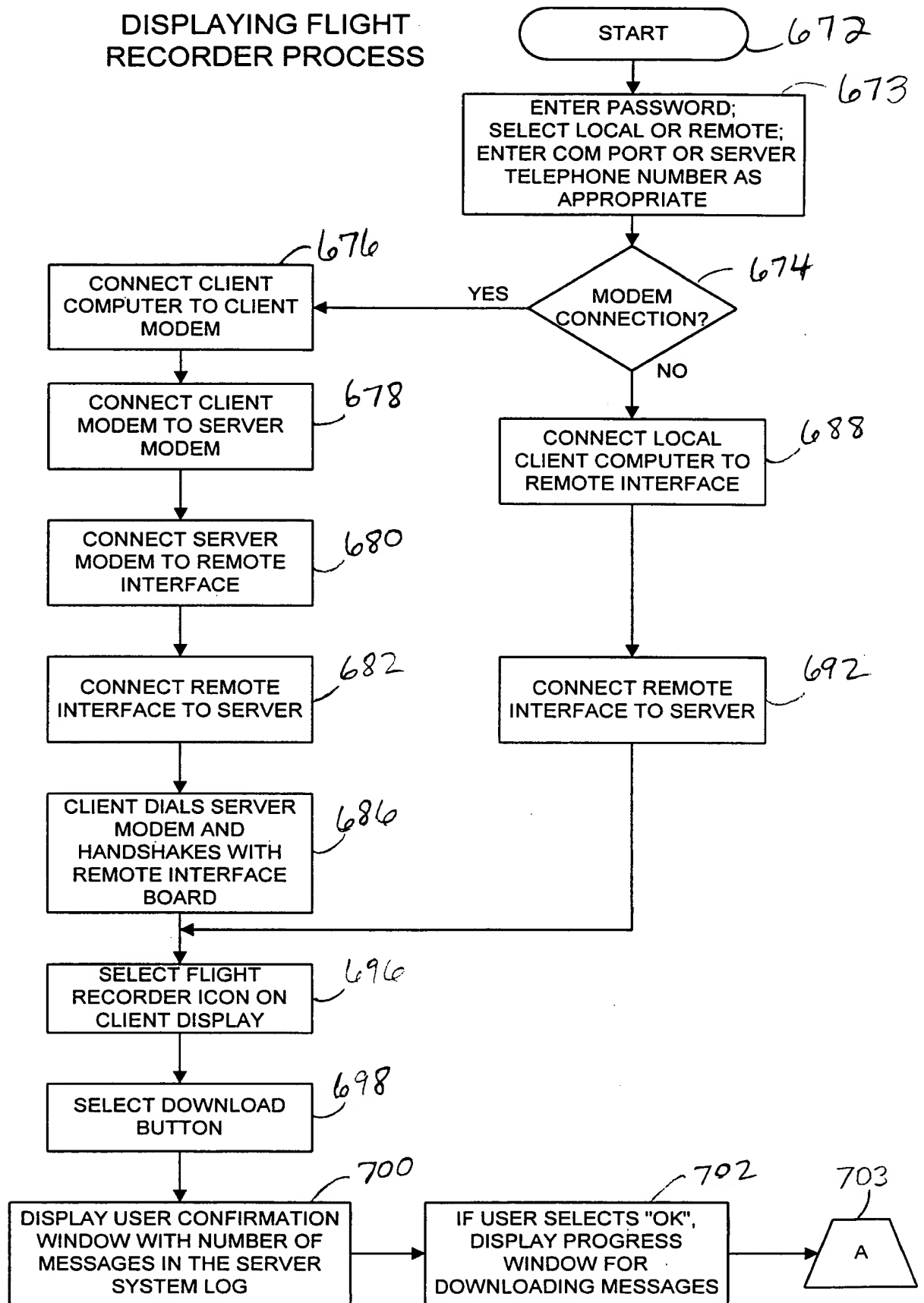


FIG. 10a

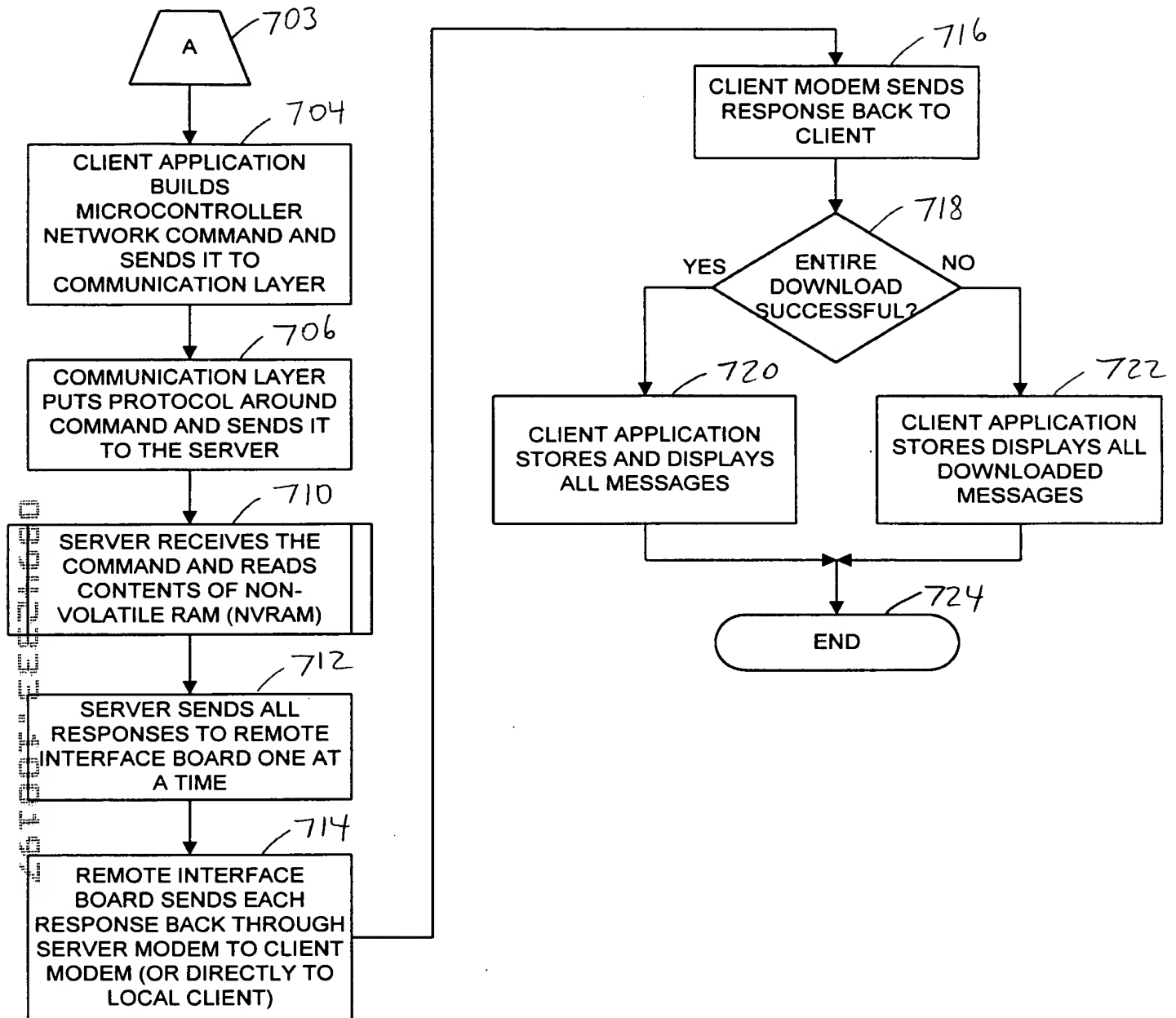
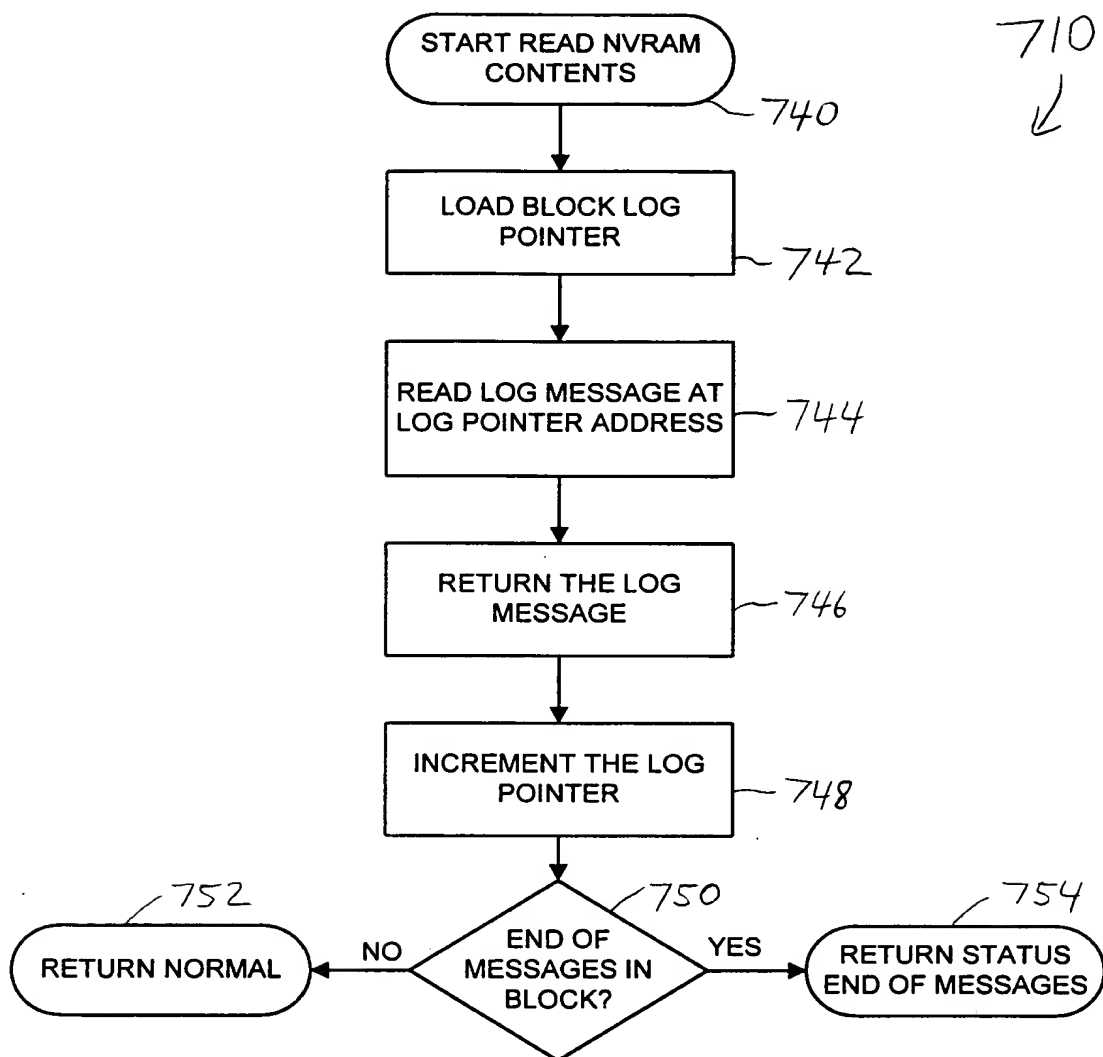


FIG. 10b

710
↓



08942337 100197
26700T 6224580

FIG. 11

Microcontroller Network Bus 160

A

Backplane

152

Power from Bias +5v

170

Chassis
Controller
PIC16c74

Analog

Chassis Type Detection
Canister SN Detection
Motherboard SN Detection
Backplane SN Detection
PS Control/Monitoring
PS On Switch
PS On Signal
PS SN Detection
PS DC OKs
PS AC OKs
Power Voltage Level Detection
+3v +5v +12v -12v VRef
Power from Bias +5v
Exhaust Temp (4/2 wire Detectors)

Temperature Detector (2) On Backplane
Temperature Detector (2) On Motherboard
Ambient Temp (1/2 wire detector)
Temperature Detector (2) On Motherboard

Power from Bias +5v

System
Recorder
PIC16c65
110

Non Volatile RAM

Address
Data
R/W/E

Power from Bias +5v

112

Timer Chip

Reset
Data
Clock

Power from Bias +5v

760

Canister Card

758

Canister
Controller

PIC16c65

172

Canister Address Detection
I/O Processor NMI

PCI Card Power Control

JTAG Control

FRU/Fan Fault LEDs (2)

Fan
Mux

767

Fan Speed Detection 766

Fan Speed Control
PCI Ext Bd Detection
I/O Processor SN Detection

FIG. 12A

08942333-100197

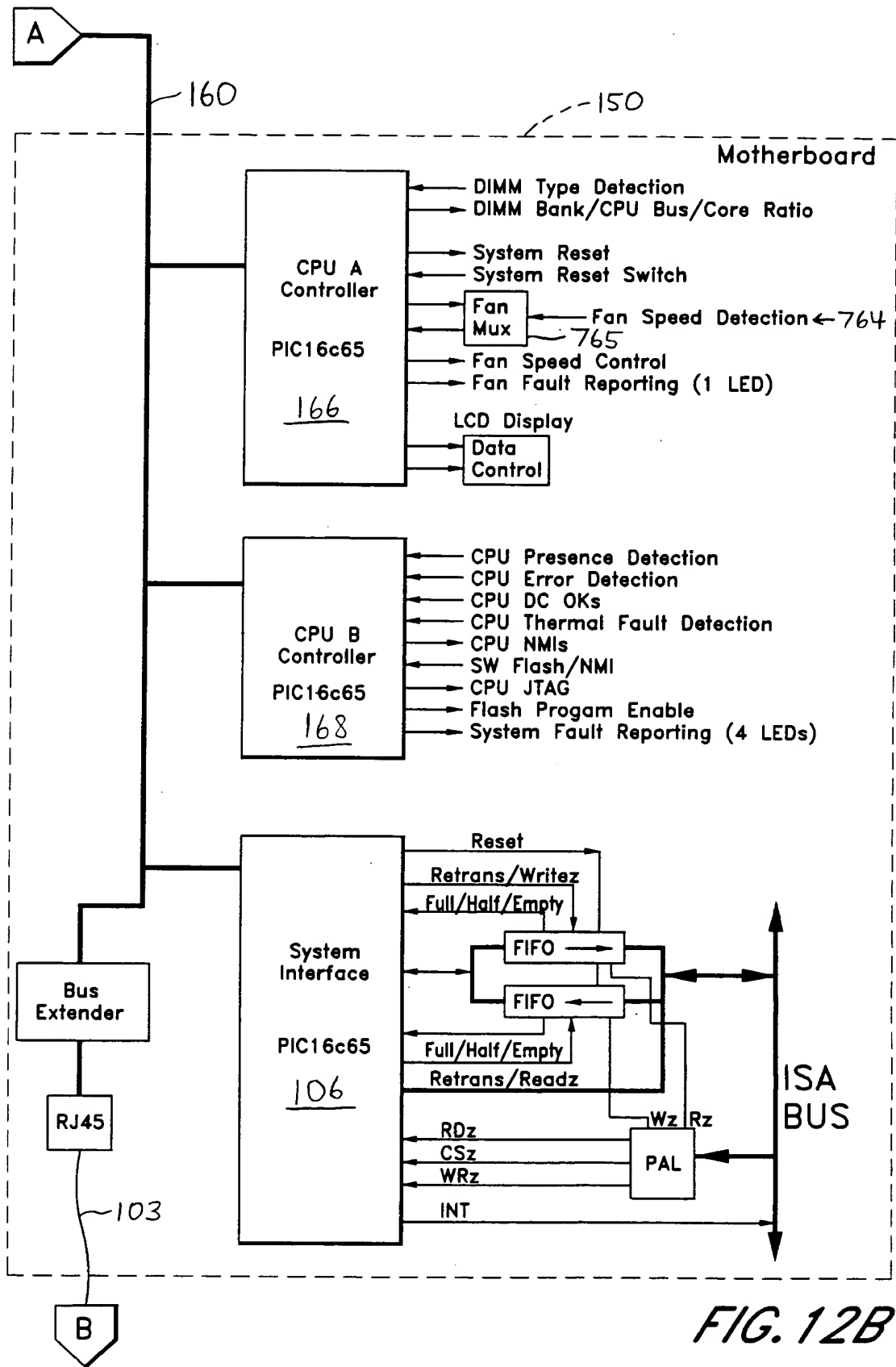


FIG. 12B

08942333-100197

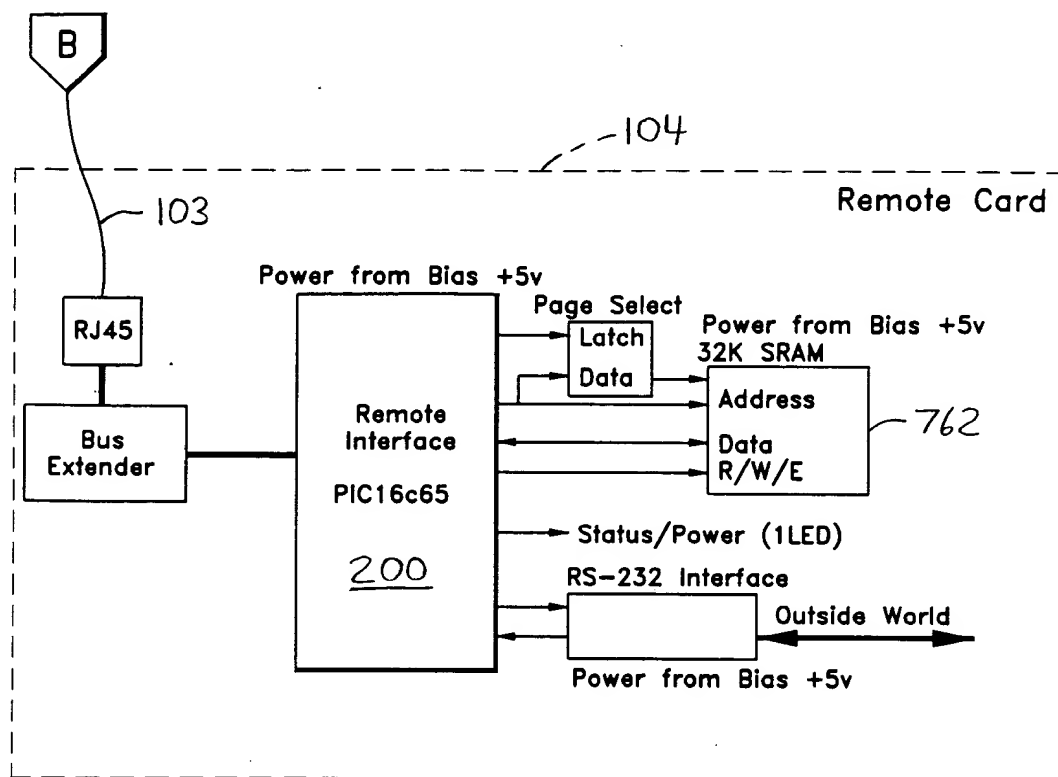


FIG. 12C

SYSTEM STATUS

770



START 772

ENTER PASSWORD;
SELECT LOCAL OR REMOTE;
ENTER COM PORT OR SERVER
TELEPHONE NUMBER AS
APPROPRIATE 773

MODEM
CONNECTION? 774

YES

NO

CONNECT CLIENT
COMPUTER TO CLIENT
MODEM 776

CONNECT CLIENT MODEM
TO SERVER MODEM 778

CONNECT SERVER MODEM
TO REMOTE INTERFACE 780

CONNECT REMOTE
INTERFACE TO SERVER 782

CLIENT DIALS SERVER
MODEM AND HANDSHAKES
WITH REMOTE INTERFACE
BOARD 786

CONNECT LOCAL
CLIENT COMPUTER TO
REMOTE INTERFACE 788

CONNECT REMOTE
INTERFACE TO SERVER 792

SELECT SYSTEM STATUS ICON
ON CLIENT DISPLAY TO OPEN
SYSTEM STATUS WINDOW 796

SELECT A SERVER HARDWARE
COMPONENT ICON TO OPEN
CORRESPONDING WINDOW 798

REFRESH
? 799

YES

NO

RETRIEVE NEW
INFORMATION FROM
SERVER TO BE
DISPLAYED 800

UPDATE ? 801

YES

NO

RECEIVE CHANGES
ON VISUAL SCREEN
FOR UPDATING ITEMS
TO BE CHANGED 802

803

A

08942333-100197

FIG. 13a

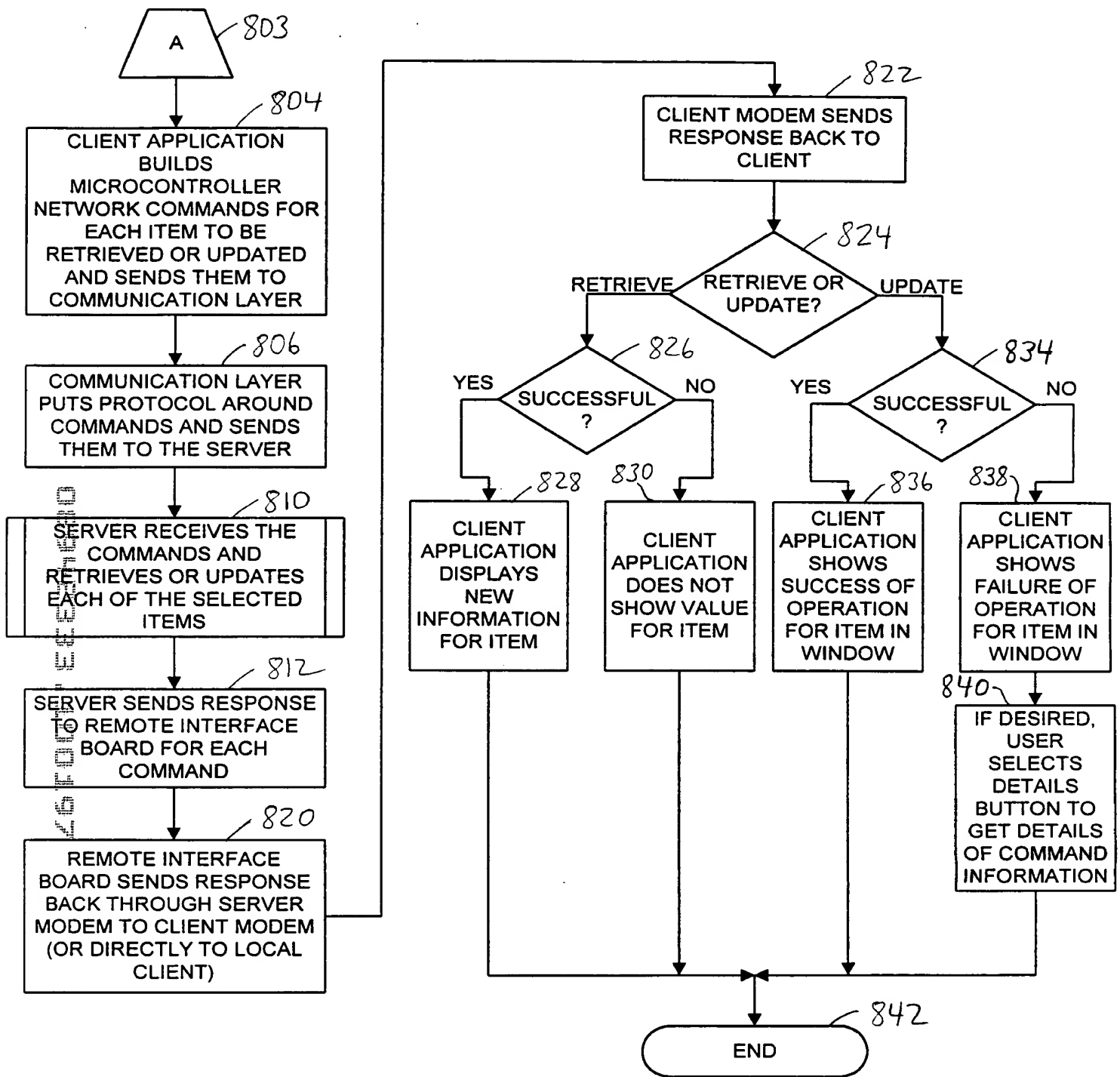


FIG. 13b

08942333 "106167"

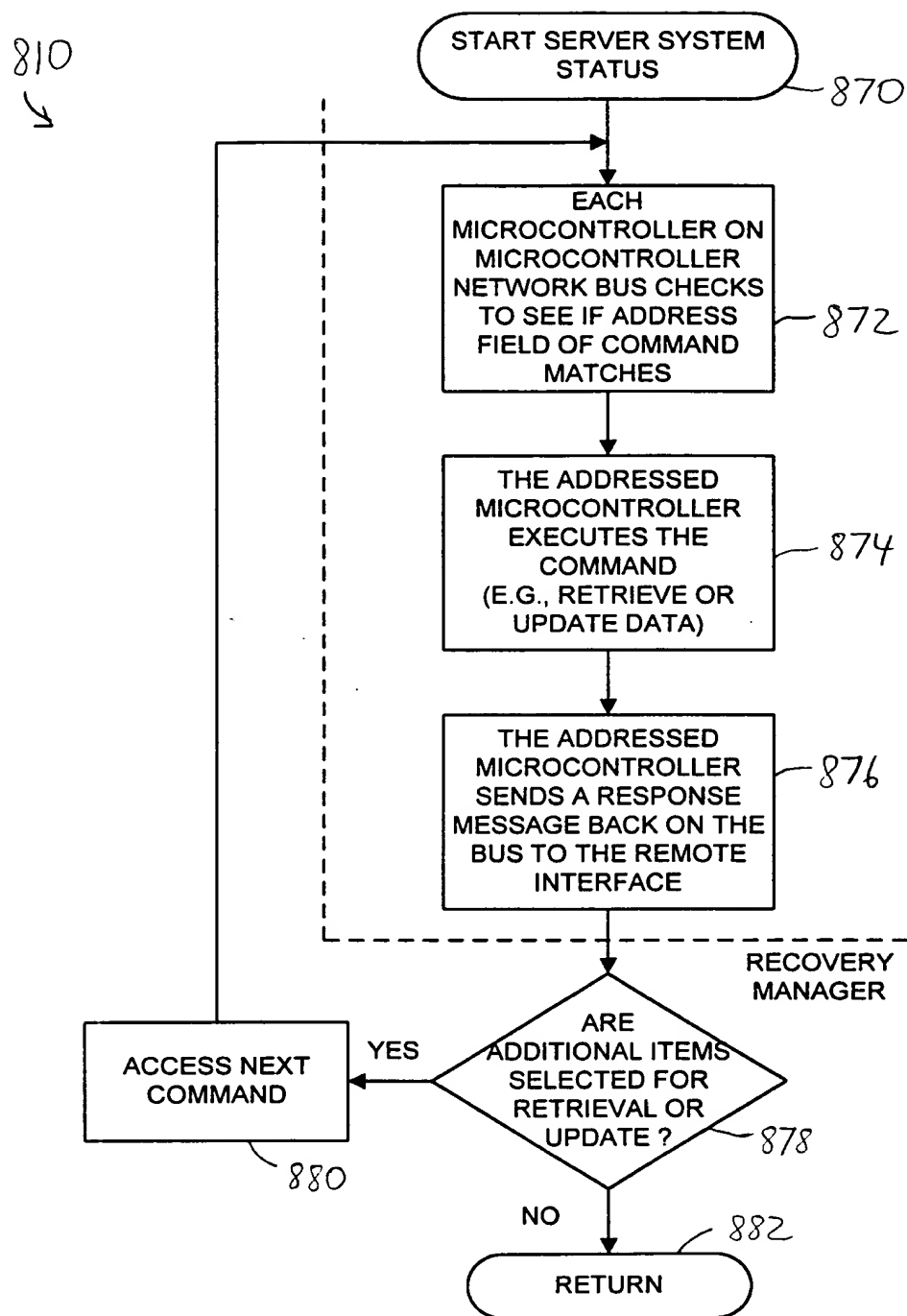


FIG. 14

26T00T" CEEC2H68D

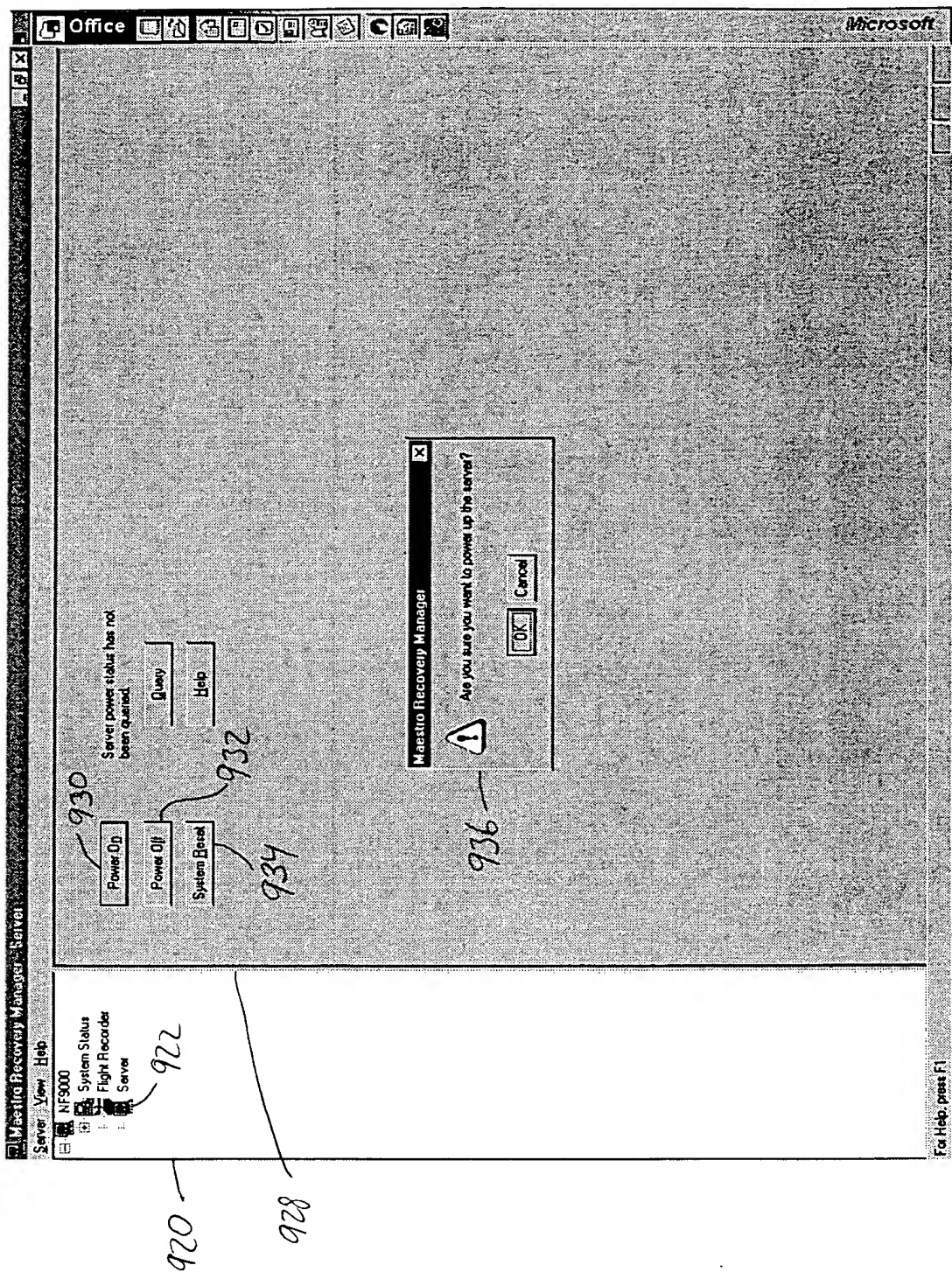


FIG. 15

26T00T" CEE42+68948 950 952

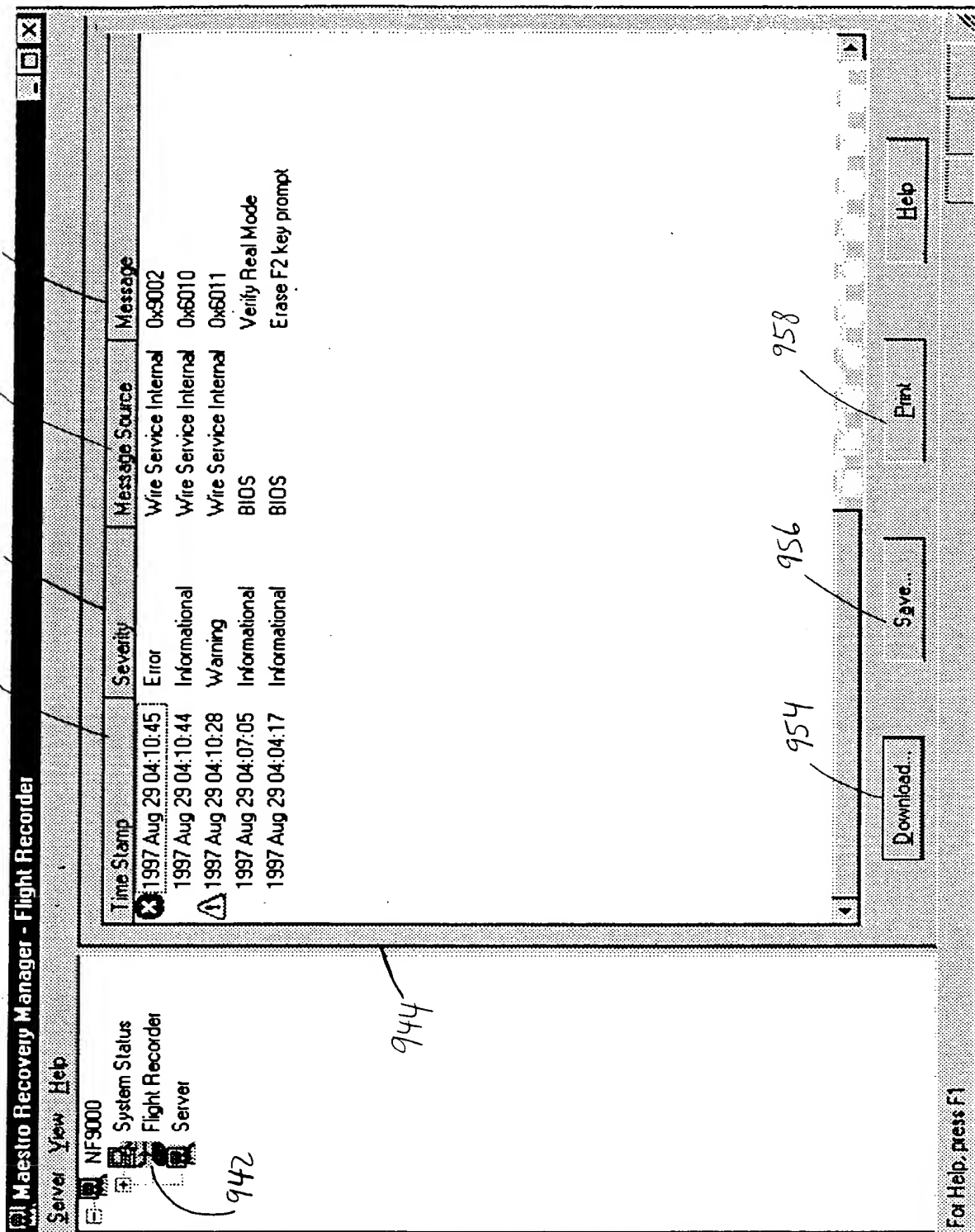
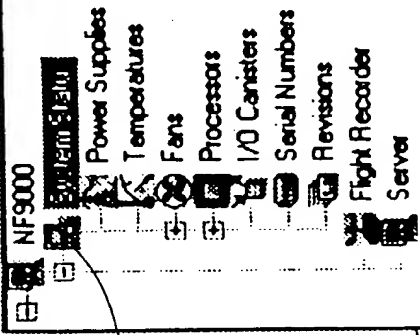


FIG. 16

26T00T" EEE2H680

Maestro Recovery Manager - System Status

Server View Help



970

960

962

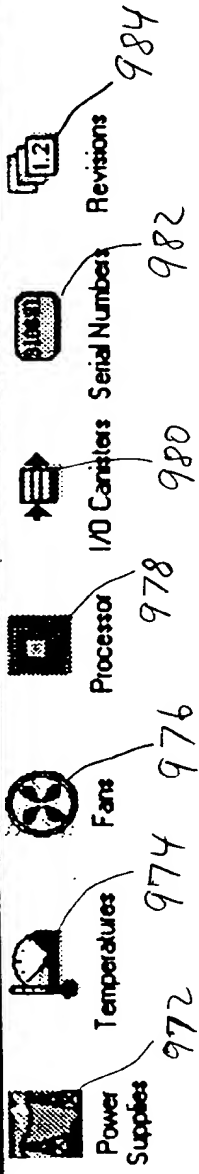


Figure 17

Maestro Recovery Manager - Fans

Server View Help

- ☒ NF9000
- ☒ System Status
- ☒ Power Supplies
- ☒ Temperatures
- ☒ Fans
- ☒ System Board
- ☒ Canister A
- ☒ Canister B
- ☒ Canister C
- ☒ Canister D
- ☒ Processors
- ☒ I/O Canisters
- ☒ Serial Numbers
- ☒ Revisions
- ☒ Flight Recorder
- ☒ Server

976

1000

994

960

Figure 18

985 T986 T987 CE988 680 989 990 991

Location	Fan	Speed	Speed Control	Fault Indicator LED	Fault	Low-speed fault threshold speed
System Board	1	4740	high	ON	YES	4740
	2	5160			YES	
	3	4260			YES	
	4	8520			YES	
	5	9540			no	
	6	480			no	
Canister A	1	4740	high	ON	no	4740
	2	5160			no	
Canister B	1	4740	high	ON	no	4740
	2	5160			no	
Canister C	1	4740	high	ON	no	4740
	2	5160			no	
Canister D	1	4740	high	ON	no	4740
	2	5160			no	

Refresh

Help

992

26T00T*EEE2H680

Maestro Recovery Manager - Canister A

Server View Help

NF9000

- System Status
- Power Supplies
- Temperatures
- Fans
 - System Board
 - Canister A
 - Canister B
 - Canister C
 - Canister D
- Processors
- I/O Canisters
- Serial Numbers
- Revisions
- Flight Recorder
- Server

1008 Canister Present



Low speed fault
Threshold speed

Fan 1
Speed 4740
Fault? no

Fan 2
Speed 5160
Fault? no

4740 1020

Speed Control
Low High

Fault Indicator LED? ON

1004

1010

1006

1002

1012 1024

Refresh

Update

Help

Figure 19